Geometry Honors Problem Sets

angle properties

In the diagram below, bisects , , and . Find the measure of each angle.

1.  2. 

3.  4. 

5.  6. 





 and are supplements. and are supplements.

7. If , find and .

8. If , find and in terms of .

9. If two angles are congruent, then must their supplements be congruent? Why?